

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Brian R. Murphy et al.

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Serial No.: 09/444,221

Group Art Unit: 1642

TECH CENTER 1600/2900

Filing Date: November 19, 1999

Examiner: B. Brumback

For: PRODUCTION OF ATTENUATED RESPIRATORY SYNCYTIAL VIRUS
VACCINES FROM CLONED NUCLEOTIDE SEQUENCES

DATE OF DEPOSIT: March 25, 2002

I HEREBY CERTIFY THAT THIS PAPER IS BEING
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INDICATED ABOVE AND IS ADDRESSED TO THE
COMMISSIONER FOR PATENTS AND TRADEMARKS,
WASHINGTON, DC 20231TYPED NAME: Jeffrey I. King
REGISTRATION NO.: 38,515Assistant Commissioner for Patents
Washington, DC 20231

Sir:

AMENDMENT/RESPONSE

In response to the Office Action dated September 25, 2001 (Paper No. 12), please
amend the above-identified application as follows:

Please amend the claims as follows:

90. (Amended) The recombinant RSV of claim 63, wherein a modification is introduced within the recombinant genome or antigenome comprising a partial or complete gene deletion, a change in gene position, or one or more nucleotide change(s) that modulate expression of a selected gene.

101. (Amended) The recombinant RSV of claim 100, wherein the recombinant genome or antigenome is further modified to incorporate at least one and up to a full complement of attenuating mutations present within a panel of biologically derived mutant human RSV strains, said panel comprising cpts RSV 248 (ATCC VR 2450), cpts RSV 248/404 (ATCC VR 2454), cpts RSV 248/955 (ATCC VR 2453), cpts RSV 530 (ATCC VR 2452), cpts RSV



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